D-Link
Building Networks for People

IP Surveillance Product Guide
Security Matters

Keeping a watchful eye on what matters most

This guide is all about what D-Link has to offer those looking to take advantage of the latest digital IP Surveillance technology. Whether it’s a new system or an upgrade of an existing analogue setup, D-Link has everything you need - from network cameras through to digital recorders and the monitoring, recording and management software to go with them. But that’s not all, with over 27 years’ networking experience, D-Link is uniquely positioned to offer a comprehensive selection of Ethernet switches, wireless access points, storage, security and other supporting products. Everything, you might need to build, not just a robust and effective IP Surveillance system, but a complete network of any size.

D-Link – IP Surveillance and more

Leading the way to IP Surveillance

One of the most significant advances of recent years, IP Surveillance technology has revolutionised the CCTV market, doing away with the need for outdated analogue cameras, custom cabling and complex monitoring equipment. Using IP it becomes possible, instead, to build systems based on affordable network cameras designed to transmit digital video over ordinary wired and wireless networks back to easy to use monitoring and recording software run on industry standard platforms.

As a world leader with over 25 years' experience developing, deploying and supporting networks, D-Link is ideally placed to take advantage of these advances and to bring them to a wider audience. It was one of the first to incorporate IP Surveillance into its network portfolio, and over the years it has built up an impressive family of products to suit everyone from the home user to large enterprise buyers.

D-Link has a full set of IP Surveillance products and more, including high resolution digital cameras for both indoor and outdoor use; digital encoders to interface existing analogue cameras; network video recorders to securely store those recordings and the monitoring and management software to tie everything together.

Advancing the technology still further

Never one to rest on its laurels, D-Link continues to invest heavily in R&D, to innovate and bring new features and technologies to market. Strict adherence to industry standards also makes for simpler integration with Wireless N Wi-Fi which is now commonplace on D-Link cameras, for example, plus Power over Ethernet (PoE) for simpler, cheaper, discrete installation without the need for separate power lines.

High definition, Megapixel camera technology is, similarly, to be found on the latest D-Link cameras, along with digital pan, tilt and zoom (PTZ) plus integrated 2-way sound capabilities. Some cameras can also capture video to local storage such as MicroSD card, adding another layer of redundancy to the system and for backup and monitoring remote, out of the way, locations.

Because it's digital, captured IP video can be stored on hard disk rather than old-fashioned video tape and feeds from multiple cameras monitored using nothing more than a standard desktop PC. And here, too, D-Link leads the way with, in its latest products, support for automated picture analysis, offsite monitoring and storage plus alerting via smartphones, tablets and other mobile devices.

D-Link and its partners

D-Link products are available through an extensive network of resellers and specialist partners, capable of providing everything from cameras through to the supporting wired or wireless switches, routers and other infrastructure. They can also advise on what to buy and how to deploy it, plus provide the training and support needed to make it all work.

Far from a one-size-fits-all approach, D-Link and its partners offer a complete "joined up" solution that can be tailored to suit a wide range of markets. Whether you're a small service company, a growing retail business, a school, college or city corporation - if it's IP Surveillance you're after, D-Link and its partners can deliver it, and deliver it all.

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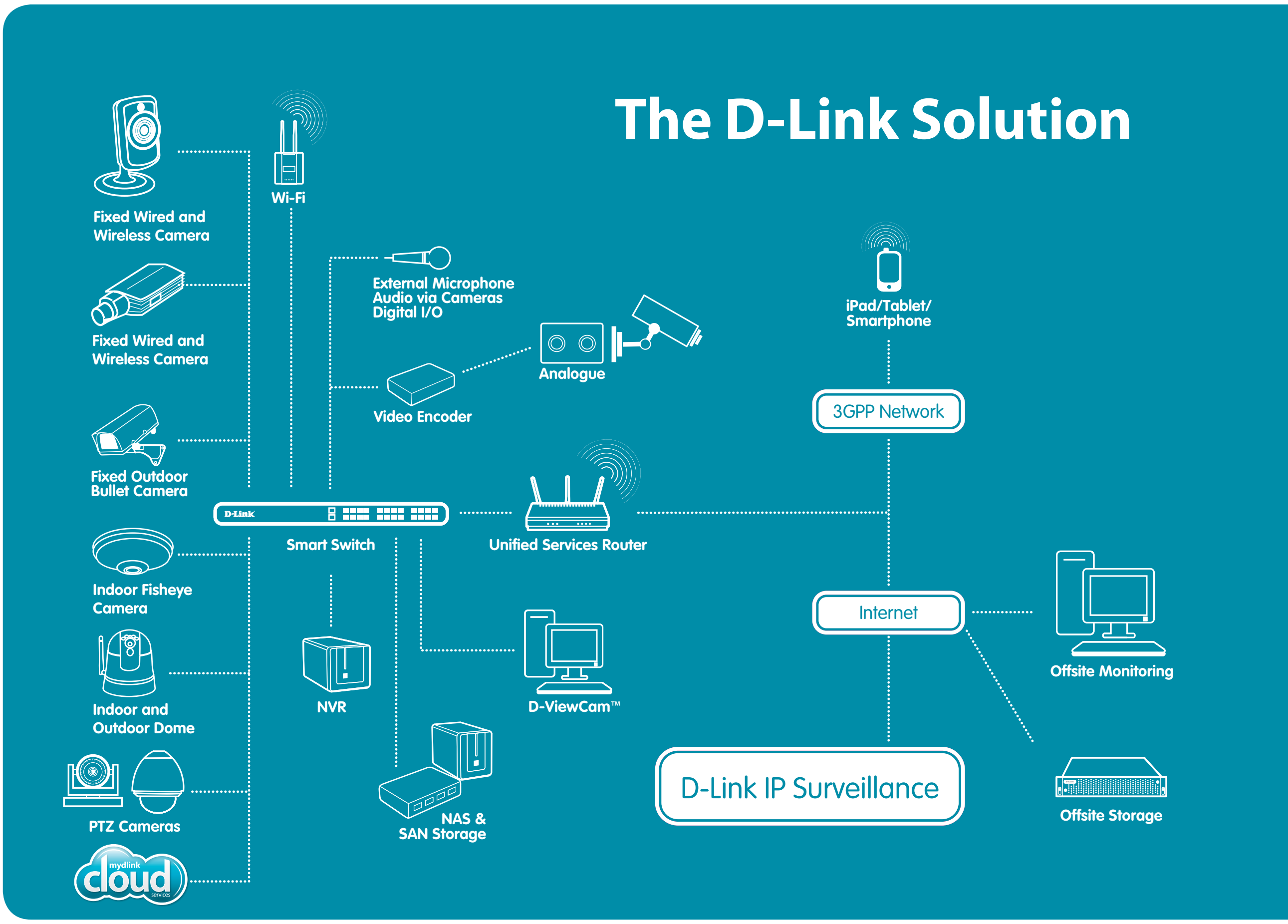
IP Surveillance – the bigger picture

As a world leader in both IP Surveillance and general networking products, D-Link can supply everything required to build an affordable and easy to deploy system to ensure the security and safety of people, possessions and places. As well as an extensive range of network cameras, D-Link has digital video encoders to enable existing analogue cameras to be incorporated alongside newer IP cameras. D-Link also provides a comprehensive range of accessories to help with camera installation and setup, plus Network Video Recorders, storage appliances and all the software needed for monitoring and recording.


The D-Link Solution
Fixed Wired and Wireless Camera
Wi-Fi
Fixed Wired and Wireless Camera
External Microphone
Audio via Cameras
Digital I/O
Analogue
Video Encoder
iPad/Tablet/ Smartphone
3GPP Network
Fixed Outdoor Bullet Camera
D-Link
Smart Switch
Unified Services Router
Indoor Fisheye Camera
Internet
Offsite Monitoring
Indoor and Outdoor Dome
NVR
D-ViewCam™
NAS & SAN Storage
D-Link IP Surveillance
Offsite Storage
PTZ Cameras
mydlink cloud services

Migrating to IP Surveillance

Not everyone will have the luxury of starting from scratch with a new IP Surveillance system, so what if you're looking to update an existing analogue CCTV setup? Some vendors will tell you to rip it all out - all those cameras, expensive cabling and back-end monitoring equipment - and start again, but that's not the D-Link way.

D-Link understands the desire to make the most of often very expensive existing solutions that have yet to reach their sell-by date, and to migrate from analogue CCTV to the latest IP Surveillance technologies at your own pace.

Yes, modern IP cameras have a lot more to offer and are easier to deploy, but where a customer wishes to integrate existing analogue hardware, D-Link sells analogue-to-digital encoders - small boxes that plug into an analogue camera at one end and the Ethernet network at the other.

D-Link digital encoders can be used with the majority of analogue CCTV cameras, effectively turning them into network-ready IP devices. Support for Power over Ethernet makes them easy to deploy plus there's a built-in RS-485 interface for use with external pan/tilt accessories, 2-way audio digital I/O support plus an SD Card slot for local recording.

Cameras connected using a digital encoder are fully compatible with D-Link Network Video Recorders, D-ViewCam™ monitoring and recording software and all supporting infrastructure products, enabling you to migrate from analogue CCTV to IP Surveillance on your own terms.

Still not convinced it's time to make the move? Here are a few related questions and answers…

Won't video traffic slow the performance of my data network?

One of the first questions new customers ask is the impact IP Surveillance will have on network performance. Fortunately, modern streaming technologies such as H.264 can really compress video data down to minimise the bandwidth required. Moreover, most network switches and routers (such as those from D-Link) can be configured to segregate and prioritise different types of traffic using industry-standard Virtual LAN (VLAN) and Quality of Service (QoS) technologies. As a result, a properly implemented IP Surveillance system should have minimal impact on existing network applications or their performance.

Can my data be intercepted and used for other purposes?

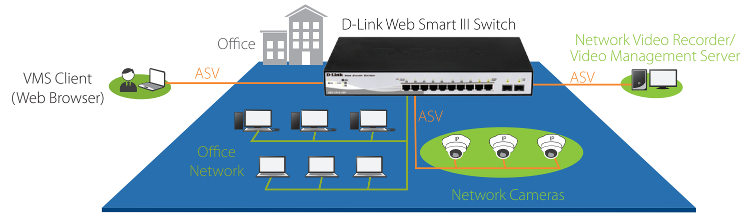
As with other network applications, IP Surveillance products are engineered to comply with industry-standard network authentication and security technologies. Using these, access to recordings can be strictly controlled and audited. At the physical level too, it's a lot harder to intercept digital than analogue CCTV data, making IP Surveillance inherently more secure, especially when using wireless to connect cameras to the network.

Aren't IP cameras complicated to install?

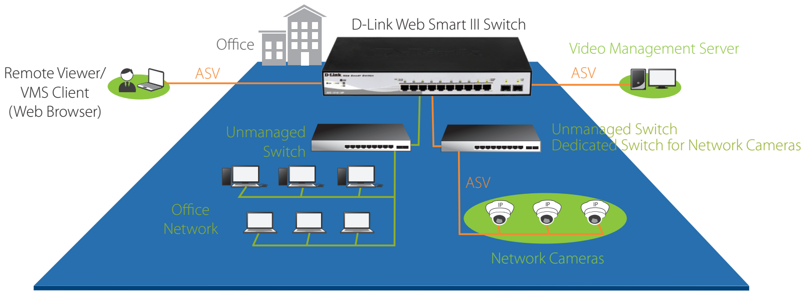
If anything, IP cameras are easier to install than a conventional analogue CCTV camera, and quicker, especially if Power over Ethernet (PoE) is used to eliminate the need for a dedicated AC supply. What's more, with new breakthrough technologies, such as, **Auto Surveillance VLAN (ASV)**, a feature found in Smart Switches from D-Link, switches supporting ASV enhance the existing infrastructure by automatically segmenting surveillance data from general data. This results in an optimised hybrid network that is quick and easy to deploy, while capable of handling both your data and surveillance traffic.

Auto Surveillance VLAN (ASV)

Typical SOHO and SMB network installation



Typical larger network installation



How can I safely monitor my network traffic during busy periods?

It is important that video feeds from surveillance aren't negatively affected during periods of busy traffic congestion. On networks with already heavy traffic loads, the approach has often been to create a separate IP network infrastructure explicitly dedicated to surveillance traffic. However, ASV changes all of this by automatically detecting attached surveillance equipment to intelligently segment surveillance traffic to give it high priority following quality of service (QoS) standards. In this way, surveillance traffic can continue to stream video smoothly and reliably, even during periods of heavy data traffic. When used in conjunction with PoE, hardware installation is simplified, and clutter is reduced since power and data can be transferred over a single cable.

Will I need to switch to a different company to install and maintain my IP Surveillance equipment?

No - most specialist suppliers already offer support for both analogue and IP Surveillance systems and are both willing and able to offer impartial advice on what's best for your organisation. D-link products are available through a network of approved resellers well versed in both analogue and digital solutions.

I've used a webcam and wasn't impressed with the quality, won't IP Surveillance be the same?

Professional IP cameras are a world apart from cheap webcams. HD-quality, Megapixel cameras are now commonplace along with low-light and infrared technologies to capture detailed, high resolution, images in varying light conditions. High frame rates further help together with support for both optical and digital zoom at the camera.

A camera for any need

Keeping a watchful eye on what matters most

Surveillance cameras come in a variety of guises - for use in homes, offices, shops, warehouses and other more challenging environments; indoors and out; with and without remote control capabilities, weather and vandal protection and to suit a wide range of budgets. D-Link has them all…

Fixed network cameras Wired, Wired + Wireless

Affordable cameras with a wide range of applications, fixed cameras are designed to be aimed at a specific location, such as a particular office, a reception area, shop counter etc. Mainly fixed focus and for indoor use, some D-Link models have built-in optical and digital zoom and can be mounted in protective casings for outdoor use. Others have built-in protection against the elements, night and day capabilities and other useful features.

Depending on the model, D-Link fixed network cameras can be mounted on walls or ceilings. All have a wired Ethernet interface and built-in Web server for remote management as standard with wireless networking as an option on some models.

Fixed dome cameras

More discrete than an ordinary network camera, dome cameras are compact devices designed for ceiling or pendant mounting inside a plastic dome. The dome protects against tampering/vandalism plus it makes it hard to work out where the camera is pointing so it acts as a deterrent over a wide area.

Dome cameras from D-Link all come with Power over Ethernet (PoE) support for simple installation with many IP44/66 rated for outdoor use.

Pan, Tilt, Zoom (PTZ) cameras

Motorised cameras that can be moved around under software control and zoomed to focus in on a particular area or target, PTZ cameras may be open or mounted inside a protective dome. PTZ cameras can be set to monitor large indoor or outdoor areas by continually sweeping or remotely controlled to follow targets as they move around.

Fisheye Camera

Cameras that have a fisheye lens to provide incredible wide angle coverage; designed for a panoramic 180° view of a room when mounted on a wall, or for a full 360° view without blind spots when placed on a ceiling. Distortion correction fixes the camera video to use ePTZ to zoom in, zoom out, and pan across the camera's video and survey a large area easily.

IP Surveillance – the D-Link jargon buster

Not sure what all the terms mean? Here's a short guide to help understand the D-Link products and services discussed in this guide.

Built-in IR

Infrared (IR) illuminators emit invisible light, enabling you to monitor an area in complete darkness.

Digital Encoder

A device to convert analogue video signals to digital format and transmit them over an IP network. Used to enable analogue CCTV cameras to be integrated into an IP Surveillance system.

Digital input/output (DI/DO)

Standard interfaces that enable a camera to communicate with external sensors (e.g. door and window sensors) and alarm systems.

High Definition (HD) video

HD cameras capture a lot more detail and are also able to cover a much wider area than a standard VGA camera, giving good surveillance coverage with fewer cameras.

Infrared Cut Filter

A filter that can block infrared while still passing visible light. Usually removable (either manually or under software control) to enhance daytime images while also allowing the camera to be used at night.

Megapixel

A generic term for cameras able to record at high resolution, i.e. above a million pixels. Analogue cameras are limited to around 0.4 Megapixels whereas digital IP cameras can capture images in much higher detail with 2 Megapixels and above.

Multicasting

The ability to send video to multiple monitoring and recording stations with a single stream, saving bandwidth and reducing network traffic.

P-iris

P-Iris is a precise iris control, that optimises the iris opening of the lens under all lighting conditions resulting in images with better contrast, clarity, resolution and depth of field. It provides improved image sharpness and increased image usability.

Network Video Recorder (NVR)

An appliance or application designed to manage and record video streams from IP Surveillance cameras. These will, typically, record to hard disk with optional copying to other media such as recordable DVD and the cloud.

Onboard SD Recording

The ability to record to media in the camera itself, such as flash memory or removable SD card. Particularly useful for remote sites with no network, Wi-Fi or 3G connectivity and as a backup in case of a network failure.

Open Network Video Interface Forum (ONVIF)

An open industry forum, of which D-Link is a member, for the development of a global standard for interfacing IP-based physical security products.

Pan, Tilt, Zoom (PTZ)

The ability to remotely control a camera to pan (move from side to side), tilt (move up and down) and zoom in on a particular area of interest.

Passive Infrared (PIR)

PIR sensors measure infrared (IR) radiation from objects in its field of view. Used to detect movement.

Power over Ethernet (PoE)

The ability to transmit power to a remote IP camera over the data network. This eliminates the need for an independent main power supply and an AC adapter that might fail or be unplugged. With PoE a central Uninterruptible Power Supply (UPS) will also keep the cameras working in the event of a power cut.

Quality of Service (QoS)

On a shared network, bottlenecks can arise when surveillance video has to compete for bandwidth with data, voice and other traffic. QoS technology allows traffic to be prioritised, but needs to be implemented across the whole network, in switches and routers, as well as IP Surveillance cameras.

Video Streaming

Encoding of captured video for transmission over a data network. A number of encoding and compression technologies can be applied here, the most popular being Motion JPEG, MPEG-4 and H.264. Of most interest at present is H.264 which can optimise bandwidth and storage by up to 80% without compromising on image quality.

Wide Dynamic Range (WDR)

The ability of a camera to capture images in a wide range of lighting conditions. Extremely useful where glare, reflection and high levels of contrast would otherwise result in a poor picture, such as in doorways and next to windows.

- Audio
- 2 Bay
- Built-in IR
- Day and Night
- Digital input/output
- Digital Zoom
- Email Notification
- 3GPP Support
- H.264 /MPEG-4/JPEG
- H.264 /JPEG
- High Definition
- 100Mbps LAN x1
- Motion Detection
- MPEG-4
- MPEG-4/JPEG
- Onboard SD Recording
- 10x Optical Zoom
- 12x Optical Zoom
- 18x Optical Zoom
- 36x Optical Zoom
- Power over Ethernet
- Privacy Mask
- PTZ
- Tamper Proof
- USB 2.0 x 1
- 2 Way Audio
- WDR
- Wireless

Fixed Network Cameras

D-Link fixed network cameras are designed to stand out and act as a physical deterrent as well as record the action. Available with wireless and wired interfaces they are manufactured to a very high standard and can be deployed by both home users, and companies of any size to build an effective yet affordable surveillance system.

Fixed Network Cameras

Typical uses

In the office – to monitor shared areas and access points, mostly indoors although some can be used outdoors too
In the shop – to keep an eye on areas that can't be seen by staff at the tills
In schools and colleges – to protect against theft and vandalism and to provide security for students and teachers
In the warehouse – to provide a highly visible deterrent against "natural wastage"
Outside – for professional monitoring and recording of car parks, loading bays, playgrounds and other open areas

Wired-Indoor

DCS-2210

Wireless N 2 Megapixel IP camera

- 2.7" Megapixel progressive CMOS sensor for Full HD resolution up to 1920 x 1080 pixels
- Quality fixed length lens (4.37mm, F2.0) with 10x digital zoom
- Built-in IR cut filter for low-light and night vision support
- Built-in PIR (passive infrared) sensor for motion detection
- Wired Ethernet interface with PoE (DCS-2210)
- Wired Ethernet plus Wireless N Wi-Fi (DCS-2230)
- MicroSD card slot for local video recording (card not included)
- Built-in microphone and speaker for 2-way audio
- Motion JPEG, MPEG-4 and H.264 streaming
- e-PTZ to zoom in on areas of interest without the need for robotics
- ONVIF compliant

Wireless
100Mbps LAN x1
Onboard SD Recording
Privacy Mask
Email Notification
3GPP Support
Day and Night
2 Way Audio
Built-in IR
Digital Zoom
Motion Detection
High Definition
PTZ
H.264 MPEG-4 JPEG

DCS-3010

HD PoE Fixed Network Camera

- 1/4" Megapixel CMOS sensor
- Built-in 4.0 mm, F1.5 fixed lens
- HD resolution (1280 x 720), up to 1M (1280 x 800)
- H.264, MPEG-4 and Motion JPEG compression
- ePTZ for virtual PTZ operation
- Multi-stream support
- Privacy mask
- Motion detection
- Built-in Samba client for saving to NAS
- 3GPP mobile surveillance

2 Way Audio
Power over Ethernet
H.264 MPEG-4 JPEG
Onboard SD Recording
Privacy Mask
Digital Zoom
DIGITAL I/O
High Definition
Motion Detection
Email Notification
Optical Zoom
3GPP Support
100Mbps LAN x1

DCS-3110

Megapixel PoE Network Camera

- 1/4" 1.3 megapixel progressive scan CMOS sensor
- Compact Flash card slot for front-end storage
- Built-in 802.3af PoE for flexible placement
- Supports 2-way audio
- Varifocal Lens: 4.5-10 mm, F1.6
- Removable IR-cut filter
- Privacy mask
- Multi-stream support
- Motion detection
- 3GPP mobile surveillance

2 Way Audio
Power over Ethernet
Onboard SD Recording
Digital Zoom
DIGITAL I/O
Motion Detection
Email Notification
Optical Zoom
100Mbps LAN x1
3GPP Support
Tamper Proof

DCS-3112

PoE HD day and night fixed IP camera

- Sony ¼" 1.3 Megapixel progressive scan CMOS sensor for HD recording up to 1280 x 1024
- CS mount DC auto iris lens (3.5 - 8mm, F1.4)
- Removable IR- cut filter for recording in both regular and low light conditions
- 10x digital zoom
- Simultaneous Motion JPEG, MPEG-4 and H.264 streaming with JPEG still image capture
- SD card slot for local video recording (card not included)
- Built-in 802.3af PoE support for ease of installation
- RS-485 interface for external PTZ mounting
- 2 digital inputs for sensors/alarms, digital output port for alarm
- 2-way audio
- ONVIF compliant

Power over Ethernet
100Mbps LAN x1
DIGITAL I/O
Day and Night
10x Optical Zoom
2 Way Audio
H.264 MPEG-4 JPEG
3GPP Support
Motion Detection
Onboard SD Recording
Email Notification
HD High Definition
Privacy Mask

DCS-3710

PoE day and night Wide Dynamic Range IP camera

- Sony 1/3" 1.3 Megapixel CMOS sensor with 30 frames/sec recording at up to 1280 x 1024 pixel resolution
- Varifocal auto-iris lens for manual focusing (2.9-8.2 mm,F1.0)
- 10x Digitial Zoom
- Wide Dynamic Range technology to provide clear images in challenging lighting conditions
- Removable IR-cut filter for day and night operation
- RS-485 and 12v DC interfaces for integration with pan/tilt and other accessories
- 10/100Mbps fast Ethernet interface with 802.3af PoE support for ease of installation
- 2-way audio using external microphone and speaker
- Simultaneous Motion JPEG and MPEG-4 streaming plus JPEG still image capture
- 2 alarm inputs / 1 alarm output
- SD card slot for local video recording (card not included)
- Low power, requires only 2 watts for basic operation

WDR
Power over Ethernet
100Mbps LAN x1
Day and Night
Digital Zoom
Email Notification
2 Way Audio
H.264 MPEG-4 JPEG
DIGITAL I/O
Onboard SD Recording
Privacy Mask
HD High Definition
3GPP Support
Motion Detection
Email Notification

DCS-3716

PoE HD day and night Wide Dynamic Range IP camera

- Sony 1/2.8" 3 Megapixel progressive CMOS sensor
- Wide Dynamic Range (WDR) technology for exceptional picture quality in extreme contrast environments
- CS mount DC auto iris lens (3.1 - 8mm, F1.2)
- 10x digital zoom
- Full HD recording up to 2048 x 1536 at 15 fps
- Removable IR-cut filter for day and night operation
- 10/100Mbps fast Ethernet interface with 802.3af PoE support for ease of installation
- Simultaneous Motion JPEG, MPEG-4 and H.264 streaming with multicast support
- RS-485 interface for external pan/tilt accessories
- Digital I/O (2 alarm input, 1 alarm output)
- Analogue BNC output
- ONVIF compliant

Power over Ethernet
100Mbps LAN x1
DIGITAL I/O
Day and Night
Motion Detection
2 Way Audio
H.264 MPEG-4 JPEG
3GPP Support
Email Notification
Digital Zoom

Wired - Outdoor

DCS-7010L

HD Mini Bullet Outdoor Cloud Camera

- 1/4" Megapixel CMOS progressive sensor
- Fixed lens: (4.3 mm F2.0) with 10x zoom
- IP-66 weatherproof housing
- Built-in in frared-cut removable (ICR) filter for all day surveillance
- Built-in IR LED illuminator with a 10 meter range for use in dark areas
- Simultaneous H.264, MPEG-4 and Motion JPEG format compression
- Simultaneous multi-stream support
- HD resolution (1280 x 720) and up to 1 Megapixel (1280 x 800)
- SD local storage
- 10/100 Fast Ethernet port with PoE

2 Way Audio · Motion Detection · Built-in IR · H.264 MPEG-4 JPEG · Power over Ethernet · Onboard SD Recording

Digital Zoom · Email Notification · HD High Definition · Privacy Mask · PTZ · 100Mbps LAN x1

DCS-2310L

HD PoE Outdoor Cloud Camera

- 1/4" Megapixel CMOS progressive sensor
- Fixed lens: 3.45 mm F2.0
- IP-65 weatherproof housing
- Built-in microphone and speaker for 2-way communication
- Built-in infrared-cut removable (ICR) ¬ filter for all-day surveillance
- Built-in IR LED illuminator for use in dark areas
- ONVIF compliant
- micro SD/SDHC Card slot for onboard storage*
- 10/100 Fast Ethernet port with PoE
- HD resolution (1280 x 720) and up to 1M (1280 x 800)
- H.264, MPEG-4 and Motion JPEG compression
- ePTZ viewing
- Simultaneous multi-stream support
- Privacy Mask feature
- Supports multiple access lists
- Built-in Samba client for saving to a NAS
- *Card not included

2 Way Audio · H.264 MPEG-4 JPEG · Power over Ethernet · Onboard SD Recording · Privacy Mask · Digital Zoom

Motion Detection · Built-in IR · Email Notification · 100Mbps LAN x1

DCS-7110

Outdoor HD, day and night, IP camera

- Sony ¼" progressive scan CMOS sensor
- Fixed Lens (4mm,F1.5)
- 30 frames per second recording at 1280 x 800 resolution
- Built-in IR cut filter for night vision recording
- Multicast streaming of video
- Built-in PoE support for ease of installation
- Motion JPEG, MPEG-4 and H.264 compression

Power over Ethernet · 100Mbps LAN x1 · Day and Night · Built-in IR · Tamper Proof

H.264 MPEG-4 JPEG · DIGITAL I/O · Privacy Mask · HD High Definition · 3GPP Support

Motion Detection · Motion Detection · Email Notification

DCS- 7413

Full HD Day & Night Outdoor Cloud Camera

- 1/2.7" 2 megapixel progressive CMOS sensor
- Megapixel fixed lens:(4.3mm F=2.0) with 10x zoom
- IP-66 weatherproof housing
- Built-in removable IR-cut filter for day/night surveillance
- IR LED 30M illumination distance
- Real-time H.264/ MPEG-4/ MJPEG
- ePTZ for virtual PTZ operation
- Privacy Mask feature
- SD local storage for event recording
- 10/100 Fast Ether port with PoE

2 Way Audio · Built-in IR · H.264 MPEG-4 JPEG · Power over Ethernet · Onboard SD Recording

Privacy Mask · Day and Night · PTZ · Digital Zoom · Email Notification

DCS-7513

Full HD WDR Day & Night Outdoor Camera

- 1/2.8" 2 megapixel progressive CMOS sensor
- 3 to 9mm motorised varifocal lens
- Up to Full HD resolution of 1920 x1080 at 30 fps
- Remote zoom and focus
- P-Iris technology
- Wide Dynamic Range image enhancement
- H.264, MPEG-4, MJPEG codec support for streaming and recording
- Built-in IR LED illuminator with a 30 meter range for use in dark areas
- SD/SDHC card slot for on-board storage
- 10/100 Fast Ethernet port with PoE ensures easy integration into your network
- Digital Input and Output connector for connections to external devices such as alarm relays
- Audio in and out jacks can be connected to a microphone and speaker for a 2-way communication

H.264 MPEG-4 JPEG · 2 Way Audio · Power over Ethernet · Onboard SD Recording · Privacy Mask · Day and Night · 100Mbps LAN x1

Digital Zoom · DIGITAL I/O · HD High Definition · Motion Detection · Built-in IR · Email Notification · 10x Optical Zoom

Fixed
Network Cameras

Typical uses

In the home – Keep an eye on what is going on at home from wherever you are, 24/7

In the office – to monitor shared or serviced office accommodation, the wireless interface allows the cameras to be installed without cables and taken with you should you move

In the shop – to keep an eye on the stock room while serving

In the surgery – to see who's in the waiting room and call for the next patient

Wired + Wireless - Indoor

DCS-2230

Wireless N 2 Megapixel IP camera

- 1/2.7" Megapixel progressive CMOS sensor for Full HD resolution up to 1920 x 1080 pixels
- Quality fixed length lens (4.37mm, F2.0) with 10x digital zoom
- Built-in IR cut filter for low-light and night vision support
- Built-in PIR (passive infrared) sensor for motion detection
- Wired Ethernet interface with PoE (DCS-2210)
- Wired Ethernet plus Wireless N Wi-Fi (DCS-2230)
- MicroSD card slot for local video recording (card not included)
- Built-in microphone and speaker for 2-way audio
- Motion JPEG, MPEG-4 and H.264 streaming
- e-PTZ to zoom in on areas of interest without the need for robotics
- ONVIF compliant

Wireless · 100Mbps LAN x1 · Onboard SD Recording · Privacy Mask
Day and Night · 2 Way Audio · IR Built-in IR · Digital Zoom
PTZ · H.264 MPEG-4 JPEG · Motion Detection · HD High Definition
Email Notification · 3GPP Support

DCS-2130

Wireless N HD IP camera

- 1/4" 1 Megapixel progressive CMOS sensor for -HD resolution up to 1280 x 800 pixels
- Quality fixed length lens (3.45mm, F2.0) with 10x digital zoom
- Wireless N Wi-Fi and wired Ethernet interfaces
- Micro SD card slot for local video recording (card not included)
- Built-in microphone and external speaker input for 2-way audio
- Motion JPEG, MPEG-4 and H.264 compression
- e-PTZ to zoom in on areas of interest without the need for robotics
- ONVIF compliant

Wireless · 100Mbps LAN x1 · Email Notification · Motion Detection
3GPP Support · H.264 MPEG-4 JPEG · PTZ · Onboard SD Recording
HD High Definition · Privacy Mask · Digital Zoom · 2 Way Audio

DCS-3430

Wireless N H.264 day and night IP camera

- 1/4" VGA progressive scan CMOS sensor for exceptional picture quality under varied lighting conditions
- CS mount lens (6mm, F1.8) with 16x digital zoom
- Removable IR-cut filter for day and night operation
- Robust aluminium casing for heat dissipation and tamper protection
- Simultaneous Motion JPEG, MPEG-4 and H.264 streaming
- Wireless N Wi-Fi and wired Ethernet interfaces
- RS-485 interface for integration with external pan/tilt accessories
- 2-way audio
- JPEG still image capture
- 2 alarm inputs / 1 alarm output

Wireless · 100Mbps LAN x1 · Onboard SD Recording · Motion Detection
Day and Night · 2 Way Audio · 3GPP Support · Digital Zoom
DIGITAL I/O · H.264 MPEG-4 JPEG · Email Notification

DCS-930L

Cloud Camera

- 1/5" VGA CMOS sensor, sensitive to 1.0 lux for operation in low-light conditions
- Quality fixed length lens (5.01mm, F2.8) with 4x digital zoom
- Wired Ethernet plus Wireless N Wi-Fi
- Motion detection
- Built-in microphone
- Motion JPEG streaming with JPEG still image capture
- Cloud enabled

Wireless
100Mbps LAN x1
Audio
Motion Detection
Digital Zoom
Email Notif ication
mydlink cloud services

DCS-932L

Day and Night Cloud Camera

- 1/5" VGA CMOS sensor, sensitive to 1.0 lux for operation in low-light conditions
- Quality fixed length lens (5.01mm, F2.8) with 4x digital zoom
- Built-in infrared LEDs for night-time recording (up to 5 metres)
- Wired Ethernet plus Wireless N Wi-Fi
- Wireless security at the touch of a button with Wi-Fi Protected Setup (WPS)
- Motion detection
- Built-in microphone
- Motion JPEG streaming
- Cloud enabled

Wireless
100Mbps LAN x1
Audio
Motion Detection
Email Notif ication
Digital Zoom
Built-in IR
Day and Night
mydlink cloud services

DCS-942L

Enhanced Day/Night Cloud Camera

- Fixed length lens (3.15mm, F2.8), with 4x digital zoom
- Removable IR-cut filter for day/night operation
- Built-in infrared LED illuminators for night time operation
- Integrated PIR (Passive Infrared) sensor for motion detection
- MicroSD card slot for local video recording (card included)
- Simultaneous H.264, MPEG-4 and MJPEG streams
- 10/100 Mbps Ethernet interface plus Wireless N Wi-Fi
- Built-in microphone and external speaker input for 2-way audio
- Cloud enabled

2 Way Audio
Motion Detection
Built-in IR
Onboard SD Recording
Email Notif ication
H.264 MPEG-4 JPEG
3GPP Support
Wireless
Day and Night
Digital Zoom
100Mbps LAN x1
mydlink cloud services

DCS-2132L

HD Wireless N Cube Cloud Camera

- 1/4" 1 Megapixel CMOS progressive sensor
- Quality Fixed Lens (3.45 mm F2.0) with 10x digital zoom
- Buit-in infrared LED illuminator for night time operation (up to 5 meters)
- Integrated PIR (Passive Infrared) sensor for motion detection
- Micro SD/SDHC card slot for local video recording
- Simultaneous H.264, MPEG-4 and Motion JPEG format compression
- 10/100 Mbps fast Ethernet plus Wirelss N Wi-Fi
- Built-in microphone and speaker for 2-way audio
- Cloud enabled

Wireless
100Mbps LAN x1
Onboard SD Recording
Motion Detection
Day and Night
2 Way Audio
Built-in IR
Digital Zoom
H.264 MPEG-4 JPEG
Email Notif ication
BUSINESS cloud services

Wireless Fisheye Indoor DCS-6010L

360° Fisheye Cloud Camera

- 1/3.2" 2 megapixel CMOS progressive sensor
- Fixed fisheye lens(1.25 mm F2.0) with 10x zoom
- W360° Survelliance (without blind spots and installed on Ceiling)
- Fisheye distortion correction
- Micro SD/SDHC card slot for local video recording
- Simultaneous H.264, MPEG-4 and Motion JPEG format compression
- ePTZ viewing
- Built-in microphone and speaker for 2-way audio
- Cloud enabled

2 Way Audio · Motion Detection · Wireless · H.264 MPEG-4 JPEG · Onboard SD Recording · Email Notification · PTZ · Digital Zoom · 100Mbps LAN x1 · BUSINESS cloud services

Wired + Wireless- Outdoor DCS-2332L

HD Wireless Outdoor Cloud Camera

- 1/4" Megapixel CMOS progressive sensor
- Fixed lens: 3.45 mm F2.0
- IP-65 weatherproof housing
- Built-in microphone and speaker for 2-way communication
- Built-in infrared-cut removable (ICR) filter for all-day surveillance
- ONVIF compliant
- micro SD/SDHC Card slot for onboard storage*
- HD resolution (1280 x 720) and up to 1M (1280 x 800)
- H.264, MPEG-4 and Motion JPEG compression
- ePTZ viewing
- imultaneous multi-stream support
- Privacy Mask feature
- Built-in Samba client for saving to a NAS

*Card not included

2 Way Audio · H.264 MPEG-4 JPEG · Wireless · Onboard SD Recording · Privacy Mask · Digital Zoom · Motion Detection · Built-in IR · Email Notification · 100Mbps LAN x1 · mydlink cloud services

The latest cameras come with mydlink™ Cloud Services, a free service that makes home or office monitoring the easiest it has ever been, enabling you to keep an eye on the things that matter most, 24/7.

Whatever you want to keep an eye on, Cloud means you can, from wherever you have an Internet connected device, whether at work or at home on your PC, i Phone, ipad , or android device .

It's also incredibly easy to set up, just follow the step-by-step wizard to start viewing your live camera feed

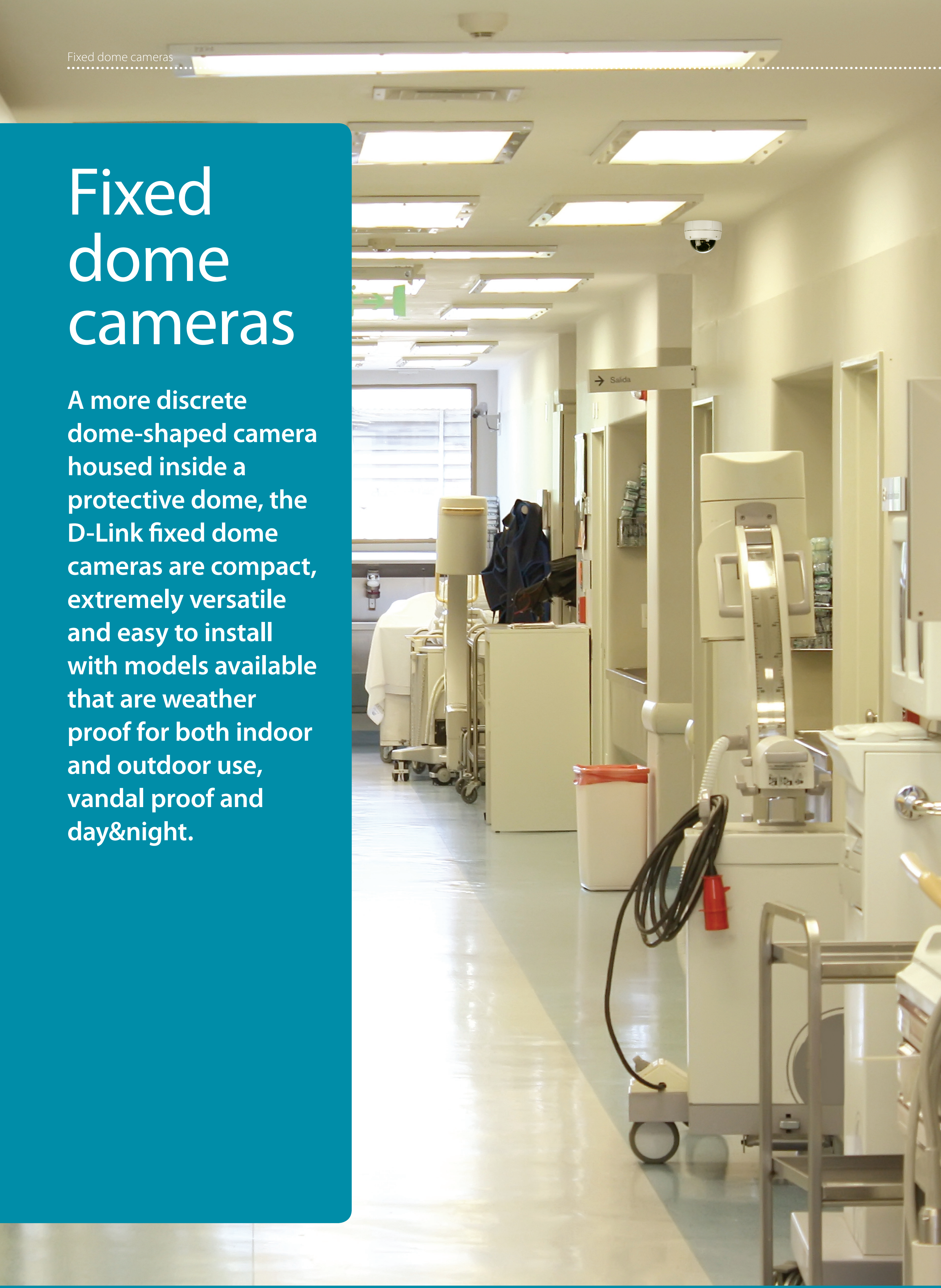
...AND IT'S FREE

For more information: www.mydlink.eu

mydlink cloud services

Fixed dome cameras

A more discrete dome-shaped camera housed inside a protective dome, the D-Link fixed dome cameras are compact, extremely versatile and easy to install with models available that are weather proof for both indoor and outdoor use, vandal proof and day&night.



Fixed dome cameras for indoor use

Typical uses

In retail – to monitor large shop floors and areas shared with other outlets in large covered malls

In hospitals – to monitor public areas and create recordings to protect staff from prosecution

In industry – to provide discrete monitoring of large factories and warehouses with minimal numbers of cameras

In education – for unobtrusive monitoring of students, staff and visitors in corridors, assembly halls and other areas

In local government – to protect staff on frontline service desks and monitor lobbies and other public areas

DCS-6112/6113

Full HD fixed dome IP camera

- 1/2.7” 2 Megapixel CMOS sensor for exceptional 1080p Full HD quality video under varied lighting conditions
- Fixed length lens (4mm, F1.5) with 16x digital zoom
- Removable IR-cut filter for day/night operation (DCS-6113)
- Integrated infrared LED illumination for 24hr low light and night time operation (DCS-6113)
- Tamper detection
- Simultaneous Motion JPEG, MPEG-4 and H.264 streaming
- 10/100Mbps Ethernet interface with 803.3af PoE for easy installation
- 2-way audio support
- MicroSD card slot for local video recording (card not included)
- 1 digital input / 1 digital output for sensors and alarms
- Analogue output (NSTC/PAL) for use with existing CCTV systems
- ONVIF compliant

H.264 MPEG-4 JPEG
2 Way Audio
Built-in IR
3GPP Support
DIGITAL I/O
Digital Zoom
Email Notification
Day and Night
Tamper Proof
100Mbps LAN x1
Privacy Mask
High Definition
Onboard SD Recording
Motion Detection

Fixed dome cameras for indoor and outdoor use

Typical uses

Outside the office – to manage car parks and building security with minimal staffing

In retail – for surveillance of open air markets

In hospitals – to monitor public areas and create recordings to protect staff from prosecution

In industry – to monitor loading areas, car parks, storage yards, building sites and so on

DCS-6210

Full HD Mini Fixed Dome Camera

- 1/2.7” 2 megapixel progressive CMOS sensor
- Megapixel Fixed lens: 4.3 mm F2.0
- Built-in microphone
- IP-66 weather proof certified
- IK-10 vandal proof certified
- ONVIF compliant Connections
- 10/100 Fast Ethernet port with PoE
- Micro SD/SDHC Card slot for onboard storage
- Real-time H.264/ MPEG-4/ MJPEG
- Max. resolution 1920x1080 at 15 fps
- Simultaneous streams
- ePTZ for virtual PTZ operation
- Motion detection
- Privacy mask
- Multicast video/audio stream
- Samba client for NAS
- Multiple access lists

2 Way Audio
H.264 MPEG-4 JPEG
Power over Ethernet
Onboard SD Recording
Privacy Mask
Digital Zoom
Motion Detection
Email Notification
100Mbps LAN x1
PTZ

DCS-6511

Vandal-proof HD resolution and Wide Dynamic Range day and night IP camera

- 1/3” Megapixel CMOS sensor (1280 x 1024) for exceptional picture quality under varied lighting conditions
- Motorised varifocal lens (3.3 - 12mm, F1.4 - 360) for remote focusing
- Removable IR-cut filter for day and night operation
- Integrated infrared LED illumination for 24hr low light and night time operation
- IK-10 Vandal-proof dome, certified to IP-66 for outside use with built-in heater and fan for use in extreme weather conditions
- Simultaneous Motion JPEG, MPEG-4 and H.264 streaming
- 10/100Mbps Ethernet interface with 802.3af PoE support for ease of installation
- SD card slot for local video recording (card not included)
- JPEG still image capture
- 2 alarm inputs / 1 alarm output

100Mbps LAN x1
Day and Night
Motion Detection
Audio
Email Notification
3GPP Support
H.264 MPEG-4 JPEG
Built-in IR
Privacy Mask
High Definition

Pan, Tilt, Zoom (PTZ) cameras

The ultimate in surveillance technology, PTZ cameras aren't limited to monitoring the area they were pointed at when installed. Instead they can be moved around a full 360° on an endless pan, made to tilt up and down and zoom in and out to follow the action and provide maximum coverage.

D-Link PTZ cameras are available with or without domes, for indoor and outdoor use and with, on some models, wireless networking and other useful features as standard.

Typical uses

In retail – to provide complete coverage of large shopping malls and high street areas with the ability to zoom in and follow suspicious activity

In local authorities – for surveillance of parks, playgrounds and other public areas

In industry – to monitor large factories and warehouses with a minimum of cameras and security patrols

In healthcare – to reduce the need for staff to police car parks and provide staff with protection at entrances, exits and in lobbies

Wireless PTZ Camera - Indoor

DCS-5222L

Pan/Tilt Cloud Camera

- 1/4" Megapixel Progressive CMOS sensor
- Minimum illumination 0 Lux with IR LED on
- Built-in Infrared-Cut Removable (ICR) filter module
- Built-in Passive Infra-Red (PIR)
- Fixed length 4.57 mm F1.9
- Pan/Tilt capability (340/115 degrees)
- microSD card slot
- mydlink™ enabled
- Built-in IR LEDs for night vision (up to 5 m.)
- 720p resolution for the best image quality

2 Way Audio
H.264 MPEG-4 JPEG
Wireless
Onboard SD Recording
Privacy Mask
Day and Night
Digital Zoom
Motion Detection
100Mbps LAN x1
PTZ

Speed Dome Cameras

Indoor

DCS-6616

Speed Dome 12x PTZ IP Camera

- Sony 1/4" Super HAD-II CCD sensor for recording at resolutions up to 720 x 576
- Fixed length lens (3.8 – 45.6mm, F1.6 – 2.7)
- Wide Dynamic Range (WDR) technology for exceptional picture quality in extreme contrast environments
- Removable IR-cut filter for day and night operation
- Concealed motorised PTZ with 12x optical zoom and 12x digital zoom
- 10 - 400°/sec Pan/Tilt with up to with 360° endless pan and -10° to 170° tilt travel
- Proportional pan/tilt – when camera zooms the tracking speed slows for more accurate control
- PTZ pre-sets to monitor specific locations along a pre-determined path
- Simultaneous Motion JPEG, MPEG-4 and H.264 streaming with multicast suport
- 8 alarm inputs / 1 alarm output
- ONVIF compliant

WDR | 100Mbps LAN x1 | 2 Way Audio | H.264 MPEG-4 JPEG | 3GPP Support | DIGITAL I/O

PTZ | Motion Detection | 12x Optical Zoom | Email Notification | Day and Night | Privacy Mask

Outdoor

DCS-6815/6818

High speed PTZ dome IP camera

- Sony 1/4" EXview CCD technology plus Wide Dynamic Range (WDR) support for exceptional picture quality in extreme contrast environments
- Removable IR-cut filter for day and night operation
- Concealed motorised PTZ with choice of 18x (DCS-6815) or 36x (DCS-6818) optical zoom, plus 12x digital zoom
- Fast (up to 400°/sec) Pan/Tilt with up to with 360° endless pan and -10° to 190° tilt travel
- Proportional pan/tilt – when camera zooms the tracking speed slows for more accurate control
- PTZ pre-sets to monitor specific locations along a pre-determined path
- IP66 certified casing with built-in heater and fan for operation in temperatures from -40° to 50° Celsius
- Simultaneous Motion JPEG, MPEG-4 and H.264 streaming plus JPEG still image capture
- 8 alarm inputs / 1 alarm output
- Wide range of mounting accessories

WDR | 100Mbps LAN x1 | 2 Way Audio | H.264 MPEG-4 JPEG | DIGITAL I/O | 3GPP Support | Privacy Mask

PTZ | Motion Detection | 18x Optical Zoom | 36x Optical Zoom | Day and Night | x Digital Zoom | Email Notification

Camera accessories

As well as an extensive range of network cameras D-Link has a wide range of accessories and useful extras to help put the finishing touches to your IP Surveillance solution.

Power Over Ethernet (PoE) adapters

Gigabit Smart Switch

Camera mounts

PowerLine Home Plugs

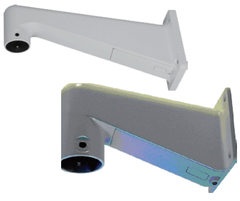
Media converter

Network Storage

POWER BOX
D-Link

Power supply for outdoor camera

Wireless Access Point



Camera brackets

SFP Transceivers

Unified Services Router

Accessories such as mounting brackets, in a variety of shapes and sizes, enable cameras to be more easily installed, and to cover the widest possible area.

Casings to enable supported indoor cameras to be used outside in all elements, such as the DCS-60, a dust and water tight casing tested and approved to carry the highest "Ingress Protection" rating of IP66.

D-Link also provides weather resistant outdoor power units like the DCS-80-6, plus Power over Ethernet (PoE) adapters to enable cameras without this feature built-in to be powered over the LAN.

Other accessories include third-party illumination units for day and night operation, plus external microphones and speakers to allow for 2-way communication at building access points.

And it doesn't just stop at the camera. D-Link wireless access points can be used to integrate wireless surveillance into an existing cabled network plus there's a range of PowerLine adapters, able to transmit network traffic over AC wiring, to connect locations where wireless cannot reach.

D-Link also provides fibre optic networking transceivers for switches with SFP ports, plus fibre to Cat5 media converters to enable D-Link cameras to be integrated into fibre optic as well as UTP cabled networks.

If you need it, D-Link and its partners can supply it.

Network Video Recorders

Some customers will opt for monitoring and management software run on industry standard PCs and servers. As an alternative, however, D-Link also offers self-contained Network Video Recorder (NVR) products - effectively a network appliance with the necessary monitoring and management software pre-installed along with built-in storage to hold the recordings.

Aimed at the smaller enterprise, D-Link standalone Network Video Recorders can accept video from multiple network cameras located in local or remote sites without turning on a computer. Each recorder can be fitted with two removable SATA disks up to 3TB in capacity to store recordings from multiple cameras using Motion JPEG, MPEG-4 or H.264 streaming technology.

DNR-322L

Cloud network video recorder*

- Two bays for SATA hard disks (not included) with optional RAID 1 protection
- Support for all Cloud cameras up to 2 Megapixel resolution
- Monitor and record from up to 9 cameras simultaneously using Motion JPEG, MPEG4 or H.264 streaming technology
- HD recording
- Gigabit Ethernet connectivity
- Easy setup and remote viewing via a browser using Cloud technology
- Automated backup

H.264 MPEG-4 JPEG | 2-Bay | USB 2.0 x 1 | 1Gbps LAN x1 | mydlink cloud services

DNR-326

2-bay Network Video Recorder

- Two bays for SATA hard disks (not included) with optional RAID1 protection
- Support for all D-Link cameras
- Support for multiple brand cameras (Axis, Panasonic, Sony, Mobotix, Cisco, etc)
- Monitor and record up to 9 cameras simultaneously using MJPEG, MPEG4 or H.264
- SmartSearch technology to simplify event investigation
- Full HD recording (1080p)
- Digital watermark to prevent tampering on recorded files

H.264 MPEG-4 JPEG | 2-Bay | USB 2.0 x 1 | 1Gbps LAN x1

DNR-2060-08P

JustConnect Multifunctional Network Video Recorder

- User-friendly simultaneous live view, recording and precision playback with step/fast forward/rewind
- Live monitoring with full-screen, snapshot and pan/tilt/zoom control
- Search by calendar, event, date, time, and text
- Auto discovery for effortless network camera setup and management
- Camera dual streaming
- Six 3.5" drive bays for up to 18TB of storage
- Per channel recording configuration
- View real-time video from all 8 cameras anywhere, anytime
- Full HD Local display for perimeter deployment
- H.264/MJPEG recording and playback for BL/MP/HP profiles

H.264 MPEG-4 JPEG | 2-Bay | USB 2.0 x 1 | 1Gbps LAN x1 | Power over Ethernet | just connect+

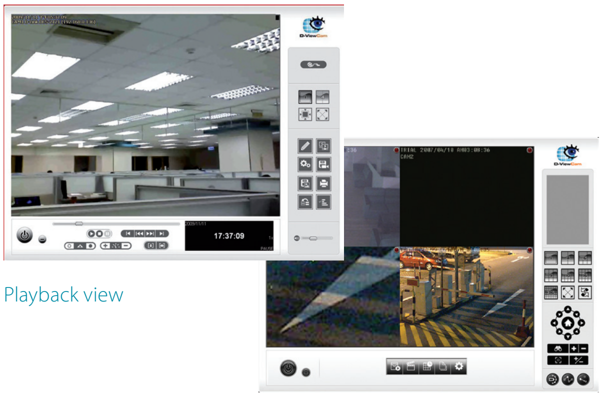
Bundled D-ViewCam™ NVR monitoring and recording software

The D-ViewCam NVR software bundled with the D-Link NVR consists of five main components: Playback Manager, Backup and File Manager, Verification Tool, NVR Search, and Multi-NVR Viewer. The Multi-NVR Viewer supports simultaneous display of up to 128 channels. Easily organize the view by directly dragging and dropping video onto the display window. Cameras managed by the NVR can be viewed as individual sites or categorized into groups. The Playback Manager includes a clean and simple web GUI interface that allows users to play, search, or export video. The Backup and File Manager is a flexible backup utility that simplifies the process of backing up video data from the NVR to external storage. The Verification Tool verifies whether data created by the system has been tampered with by adding a digital signature to each recorded video frame. NVR Search allows you to search for NVR devices in the local area network.

Monitoring and recording software (D-ViewCam™)

D-Link has its own Video Management Software (VMS), known as D-ViewCam™ and is designed to run on industry standard Windows platforms.

D-ViewCam™



Playback view

Live view

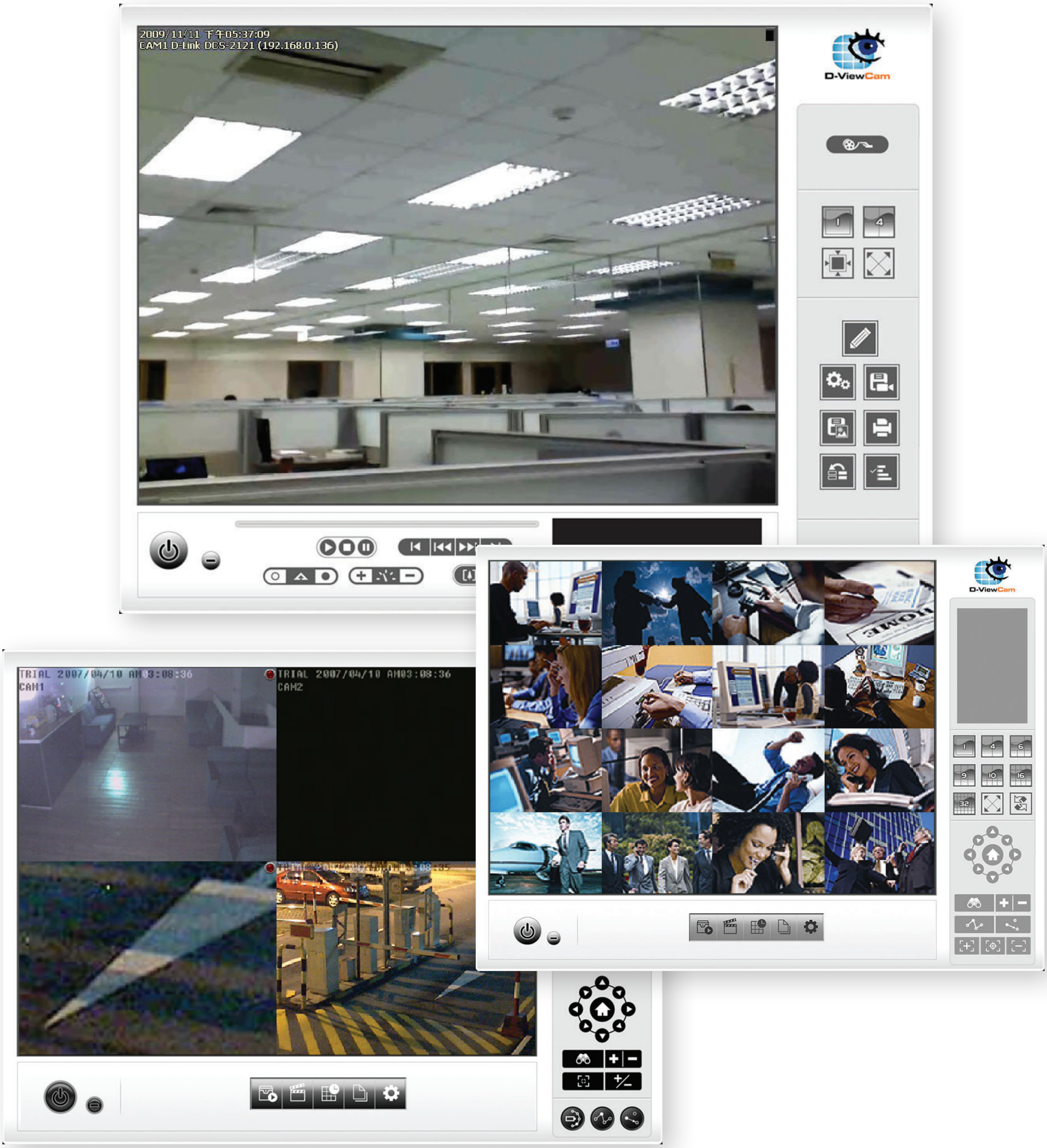
\Bundled free with D-Link network cameras to centrally manage multiple network cameras for Home, Small Office and Small to Medium Business (SMB) users.

Supporting up to 32 network cameras and up to 64 users, D-ViewCam™ is compatible with all current D-Link network cameras and video servers, offers digital monitoring and recording with a wide array of features including simultaneous video recording, playback and live view.

D-ViewCam™ offers scheduled, motion and manual recording. Recorded files can be searched by video type and selected files be played, edited and converted into AVI or ASF files. The e-map mode allows users to arrange a map with camera locations and orientation, while additional features such as auto-patrol, rotate, zoom, and focus provide optimal control over video surveillance.

There's support too for motion detection and event triggers through added devices such as smoke detectors, magnetic door sensors and emergency buttons. Users can also combine actions, such as triggering I/O devices and sending email notifications when events occur.

Backup tools are built-in plus a DB-Tool utility to help users reconstruct, repair or relocate the database on local, external or network storage. Backup videos and logs can also be burned to CD.


2009/11/11 下午05:37:09
CAM1 D-Link DCS-2121 (192.168.0.136)
D-ViewCam
TRIAL 2007/04/10 AM03:08:36
CAM1
TRIAL 2007/04/10 AM03:08:36
CAM2
D-ViewCam

Bundled free with D-Link network cameras, D-ViewCam™ centrally manages multiple network cameras for SOHO and SMB users.

Network Video Encoders

Video encoders are for customers looking to migrate a pre-existing analogue CCTV system to IP rather than rip out and replace everything they already have. Able to work with all the leading makes of camera, the encoders take the analogue video camera output and digitise it for network transmission using a choice of streaming protocols including the highly compressible H.264.

D-link encoders also feature 802.3af Power over Ethernet support for ease of deployment, plus they come with a built-in RS-485 interface to control external pan/tilt and other accessories over the network. Digital I/O support allows for the connection of sensors and alarms with 2-way audio and local recording to SD Card also available.

DVS-310-1

Single channel video encoder, with H.264 streaming and PoE

- NTSC/PAL input up to 720 x 576 resolution
- Simultaneous Motion JPEG and MPEG-4 streaming plus multicast H.264 streaming 10/100Mbps Ethernet interface with 802.3af PoE, so no need for separate power supply
- RS-485 interface for integration with external pan/tilt accessories
- SD card slot for local video recording (card not included)
- 2-way audio
- JPEG still image capture
- Digital I/O - 2 alarm inputs / 1 alarm output

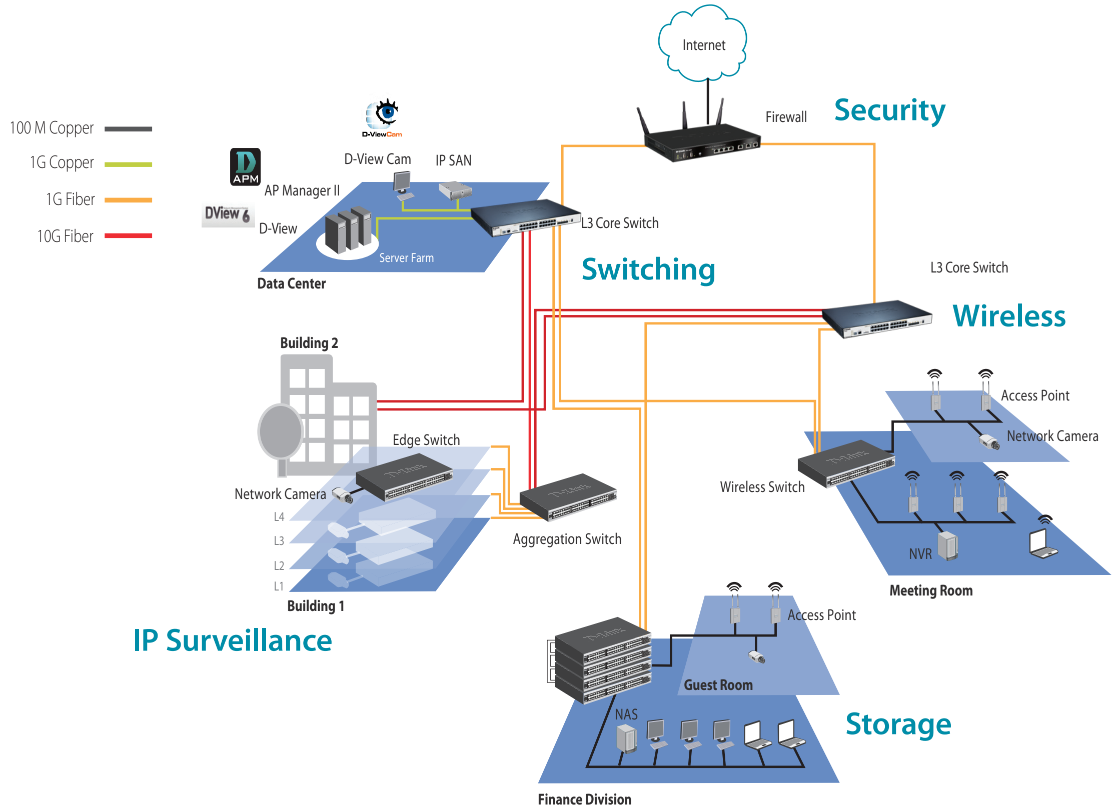
H.264 MPEG-4 JPEG
2 Way Audio
Motion Detection
DIGITAL I/O
3GPP Support
100Mbps LAN x1
Power over Ethernet
Onboard SD Recording
Email Notification

Not just cameras - the D-Link difference

As a leader in the field of IP Surveillance, D-Link has all the hardware and software products needed to put together an effective surveillance system for a wide range of needs. However, that's not the end of the story, D-Link has a lot more to offer beyond the specialist camera, recording and monitoring products outlined in this guide.

A networking pioneer and market leading vendor of switches and routers with over 27 years' experience, D-Link is uniquely placed to help with the supporting networking infrastructure. Indeed the company has products that span the entire spectrum, from low cost unmanaged switches for home networkers and small business deployment to stackable and chassis based Layer 3 solutions for the enterprise datacentre.

D-Link wireless Access Points and routers are also available, together with storage, security and management products. Moreover, as a billion dollar company, D-Link has the global resources and expertise to develop, deliver and support those products to the same high level, across the board. It can also fast track product development and provide customers with early access to the latest technology.


Internet
Firewall
Security
100 M Copper
1G Copper
1G Fiber
10G Fiber
D-ViewCam
D-View Cam
IP SAN
APM
AP Manager II
DView 6
D-View
Server Farm
L3 Core Switch
Data Center
Switching
L3 Core Switch
Wireless
Building 2
Access Point
Network Camera
Edge Switch
Wireless Switch
Network Camera
L4
L3
L2
L1
Aggregation Switch
NVR
Building 1
Meeting Room
IP Surveillance
Access Point
Guest Room
NAS
Storage
Finance Division

No other vendor of IP Surveillance products can match the depth of products or expertise that D-Link is able to provide.

D-Link is the complete network solution.

Wireless

Wireless technology offers businesses more flexible and inexpensive ways to send and receive data. D-Link has a range of robust Wireless Access Points able to work in both 2.4GHz and 5GHz frequencies. Backwards compatible with all Wi-Fi technologies, our wireless range includes single and dual band Wireless N devices that are plenum-rated for mounting on walls and ceilings.

Whether you are a small company looking to add wireless to your LAN or a larger organisation wanting to build scalable wireless networks, our solutions provide stable connectivity which is robust enough to be deployed at the very core of your network, giving you greatly enhanced reliability and coverage. What's more, our wireless devices include advanced security features to keep your business completely safe from unwanted intrusion. Listed below are a select few of our Wireless products. To see our complete range, please visit www.dlink.com or refer to our Business Solutions Product Guide.

DWL - 6600AP

Wireless N Dualband Unified Access Point

The DWL-6600AP provides businesses with a scalable and flexible solution for their wireless network, with concurrent Dualband in both 2.4 GHz and the less crowded 5.0 GHz bands. The AP can work in standalone mode for initial deployment, then self-configuring cluster of up to 8 access points, and ultimately augmented by adding D-Link's Unified Switch solutions to provide centralised wireless LAN management.

Key features

- Concurrent Dualband, works in both 2.4 GHz and 5 GHz simultaneously
- Unified Wireless Solution - standalone/clustered AP, or in conjunction with D-Link's Wireless Controllers and Unified Switches
- 802.11n with wireless speeds to up to 300 Mbps
- Gigabit with 802.3af Power over Ethernet support
- Loading balancing to optimise high network traffic volume
- Enhanced security with the latest Wi-Fi standards as well as RADIUS support
- Multiple SSID and VLAN support for wireless network segmentation
- WMM™ to prioritise audio, video and voice applications
- Integrated RFID recognition for Aeroscout™ devices to track wireless clients
- AirMagnet™ support for accurate planning, designing and troubleshooting of wireless networks

DWL-2600AP

Wireless N Unified Access Point

The DWL-2600AP is an entry level indoor Access Point designed to meet the business needs of companies of all sizes. The AP can work in standalone mode for initial deployment, then self-configuring cluster of up to 8 access points, and ultimately augmented by adding D-Link's Unified Switch solutions to provide centralised wireless LAN management.

Key features

- Unified Wireless Solution - standalone/clustered AP, or in conjunction with D-Link's Wireless Controllers and Unified Switches
- 802.11n with wireless speeds to up to 300 Mbps
- Fast Ethernet with 802.3af Power over Ethernet support
- Loading balancing to optimise high network traffic volume
- Enhanced security with the latest Wi-Fi standards as well as RADIUS support
- Multiple SSID and VLAN support for wireless network segmentation
- WMM™ to prioritise audio, video and voice applications
- Integrated RFID recognition for Aeroscout™ devices to track wireless clients

DAP-2690

Wireless N Dualband PoE Access Point

The D-Link DAP-2690 provides businesses with the perfection solution for deploying Wireless N, delivering reliable performance with no dead spots and speeds of up to 300 Mbps simultaneously in both the 2.4 GHz and 5 GHz bands. Designed for indoor installation, this Access Point enables network administrators to deploy a highly manageable, robust and secure wireless network.

Key features

- Concurrent Dualband, works in both 2.4GHz and 5GHz simultaneously
- 802.11n with wireless speeds to up to 300 Mbps
- Gigabit with 802.3af Power over Ethernet support
- Plenum-rated metal chassis
- 5 operational modes
- Loading balancing to optimise high network traffic volume
- Enhanced security with the latest Wi-Fi standards as well as internal RADIUS server
- Multiple SSID and VLAN support for wireless network segmentation
- WMM™ to prioritise audio, video and voice applications
- Microsoft NAP support

Unified Wired/ Wireless Access Systems

Unified Wired/Wireless Access Switching solution that will be able to fully integrate and control the wireless elements at the edge of the network, creating a Unified Wired and Wireless Access System. It offers centralised management that greatly simplifies wireless deployment and significantly enhances access security, wireless throughput and network convergence.

DWC-1000

Wireless controller

Centralised wireless LAN manager developed specifically for campuses, branch offices, and SMBs looking for an easy to use, scalable solution to manage and configure their wireless network. Its auto-managed Access Point discovery and single point management allow customers to acquire an enterprise class system without the burden of executing large and complex configurations. With a robust and comprehensive security detection system, the DWC-1000 also enables managed APs to block potential attacks from unauthorised users and devices.

Key features

- Support for 96 Access Points through license upgrade and clustering
- Wide range of compatible Access Points available
- Gigabit connectivity
- Dynamic wireless network adjustment to optimise performance
- Can be connected directly to the Internet – ideal for branch offices
- Upgrade licenses available for extra VPN and Firewall functionality
- Easy to use Web interface and straightforward configuration
- USB port for file and printer sharing
- Enhanced security with Captive Portal and RADIUS support

DWS-3160

24-Port Gigabit Unified Wireless Switch

Designed to be the ideal mobility solution for medium-sized and large enterprises and service providers, the DWS-3160 empowers administrators to exercise total control over their wireless networks by centralising all aspects of provisioning and management. Able to manage up to 48 D-Link Unified Access Points per switch and up to 192 in a switch cluster and with optional Power over Ethernet support, the DWS-3160 can be configured to act either as a Wireless Controller in the core network, or as an L2+ Gigabit Switch at the edge, enabling it to be seamlessly integrated into any existing network infrastructure

Key features

- Support for 192 Access Points through license upgrade and clustering
- Wide range of compatible Access Points available
- Optional 802.3af Power over Ethernet support
- Robust wired and wireless security with Access Control Lists, Captive Portal, Rogue AP detection and mitigation
- Fast roaming for seamless mobility and connectivity
- Advance switching and routing support
- Simplified web GUI management and configuration

Did you know....

“D-Link are the market leaders in wireless technology.”*

* Source: Gartner, Market Share: Enterprise Wireless LAN Equipment, Worldwide, 2010

Switches

Switches are fundamental to any business network. With today's networks being challenged with the demand for broader capacity and higher traffic speeds, switches are pushed to work even harder. D-Link 's comprehensive portfolio of switches, which includes Gigabit, Fast Ethernet and PoE, have been designed to meet these challenges - whatever the size, nature and complexity of our customers' business operation.

The quality and diversity of our Switch offerings provide the foundation for a full range of network solutions that are guaranteed interoperable, reliable and secure. The breadth and depth of our switches, as well as their seamless interconnectivity with other D-Link products, means there is always a solution available – from the core of your network to its edge, D-Link can make your network more productive.

D-Link Wireless Access Points and Routers are also available, together with security and management products. Moreover, as a billion dollar company, D-Link has the global resources and expertise to develop, deliver and support those products to the same high level, across the board. It can also fast track product development and provide customers with early access to the latest technology.

DGS-1210

10/16/20/24/28/48/52-Port Gigabit Smart Switch

The Smart series offer tremendous flexibility with wide choice of Gigabit ports with additional fibre connectivity. Optional Power over Ethernet enables users to utilise their existing network infrastructure to eliminate the need for additional power outlets.
DGS-1210 Smart switches integrates advanced management and security functions that provide performance and scalability. Featuring D-Link Green technology and compliant with IEEE802.3az Energy Efficient Ethernet as well as intelligent traffic prioritisation in the form of Auto Surveillance and Voice VLANs.

DGS-3120

24/48-Port Layer 2 Gigabit Stackable Managed Switch

DGS-3120 series enhanced L2 switches designed to connect end-users in a secure SMB or enterprise network. These switches support physical stacking, multicast and enhanced security, making them an ideal Gigabit access layer solution. The series consists of 24 or 48 Gigabit ports switches with additional fibre uplinks and high bandwidth 10 Gigabit stacking ports, as well as different software images, to provide the ultimate flexibility and scalability. Optional Power over Ethernet enables users to utilise their existing network infrastructure to eliminate the need for additional power outlets.

DGS-3620

28/52-Port Layer 3 Gigabit Stackable Managed Switch

DGS-3620 series Layer 3 Gigabit switches deliver performance, flexibility, security, multi-layer QoS and access control, along with support for full set of routing protocols. With high Gigabit port densities, Gigabit SFP and 10-Gigabit SFP+ uplink and stacking support, and separate software image options, these switches can act as either departmental access layer devices or core switches to form a multilevel network structured with backbone and centralised high-speed servers. Optional Power over Ethernet enables users to utilise their existing network infrastructure to eliminate the need for additional power outlets.

DGS-1500

20/28/52-Port Gigabit SmartPro Switch

The SmartPro series has all the performance, security and management as the Smart series but offers even greater scalability, including the ability to virtually stack switches and manage them together. Up to 32 D-Link switches from one place without the need of stacking cables and the ability to have switches operating together but in different locations. Static routing is also available on SmartPro switches together with other more advanced networking and management features, incorporating Green Ethernet technology for reliable and eco-friendly operation.

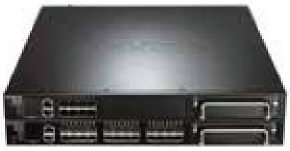
DGS-3420

28/52-Port Layer 2+ Gigabit Stackable Managed Switch

DGS-3420 series Layer 2+ Gigabit switches delivers performance, flexibility, security, multi-layer QoS and access control, along with redundant power solutions for SMBs and enterprises. With high Gigabit port densities, Gigabit SFP and 10-Gigabit SFP+ uplink and stacking support, and advanced software solutions, these switches can act as either departmental access layer devices or aggregation switches to form a multilevel network structured with backbone and centralised high-speed servers. Optional Power over Ethernet enables users to utilise their existing network infrastructure to eliminate the need for additional power outlets.

DXS-3600

8/24-Port Top-of-Rack 10 Gigabit Managed Switch



D-Link's DXS-3600 Series Top-of-Rack 10 Gigabit Managed Switch consists of compact, high-performance switches that feature 10 Gigabit Ethernet switching, routing, and very low latency. The 1U height and front-to-back air flow make the DXS-3600 Series suitable for Top-of-Rack data centre, enterprise and campus aggregation network environments. The DXS-3600 Series consists of 8-port and 24-port 10 Gigabit SFP+ ports switches with an expansion module slot. The optional expansion modules not only provide additional 10 Gigabit SFP+ ports but also 120G stacking, or 10GBASE-T connectivity for different applications.

Did you know....

"D-Link are the market leaders in Ethernet Switching."*

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*Source:Gartner,Market Share: Enterprise Ethernet Switches,Worldwide,2010

Storage

Every business requires reliable data storage devices for back-up and disaster recovery solutions, should the worst happen. D-Link's range of network storage products provide simple, cost-effective solutions to meet these data management challenges.

As every organisation will have different storage requirements, we offer a wide portfolio of storage solutions, from cost-effective, easy to manage Network Attached Storage (NAS) devices to high performance, high capacity Storage Area Network (IP SAN) solutions.

And because our storage products seamlessly interconnect with other D-Link products, such as our IP Surveillance cameras, we are able to provide our customers with a complete solution - all under one roof.

Below are some of our storage products. To see our complete range, please visit www.dlink.com or refer to our Business Solutions Product Guide.

ShareCenter™ DNS-345

4-bay NAS appliance with mydlink™ Cloud

- Remote access via the D-Link cloud App
- Four 3.5in drive bays for SATA hard disks - up to 3TB
- Disks can be configured for separate access, as a JBOD array or with 0/1/10/5/5 + hot spare protection
- Network file sharing on mixed Windows, Mac OS and Linux networks
- HTTP and FTP with DDNS for simplified remote access
- Active Directory integration for user authentication
- Up to 512 user accounts can be configured (800 with Active Directory) with support for 128 shares and 64 concurrent SMB and 10 FTP connections
- Two auto-sensing Gigabit Ethernet ports with link aggregation
- USB port for printer sharing, flash drive and external backup disk attachment plus UPS monitoring
- Integrated backup support including backup to the cloud (Amazon S3), bundled Windows desktop backup software, Apple Time Machine support for Mac backup
- Remotely Access, Stream and Sync your digital data via the mydlink™ Cloud Portal
- Scheduled power on/off, disk hibernation, smart fans and D-Link Green Ethernet.
- • Support for up to 4 x D-Link IP cameras

ShareCenter™ DNS-325

2-Bay NAS appliance with mydlink™ Cloud

- Remote access via the D-Link cloud App
- Two 3.5 inch drive bays for SATA hard disks - up to 3TB
- Disks can be configured for separate access, as a JBOD array or with RAID 0/1 protection
- Network file sharing on mixed Windows, Mac OS and Linux networks
- HTTP and FTP with DDNS for simplified remote access
- Up to 256 user accounts can be configured with support for 128 shares and 64 concurrent SMB and 10
- FTP connections
- Network attachment via an auto-sensing Gigabit
- Ethernet interface
- USB port for printer sharing, flash drive and external backup disk attachment plus UPS monitoring
- Integrated backup support, bundled Windows desktop backup software, Apple Time Machine support for Mac backup
- Support for up to 4 x D-Link IP cameras

ShareCenter™ Pro 1550 DNS-1550-04

Rack-mount unified appliance

- 14vU rack-mount format
- Hot-swap 3.5in drive bays
- Redundant hot-swap power supplies
- Dual-core processor plus 2GB RAM
- RAID 6 to protect against two drive failures at once
- Network file sharing on mixed Windows, Mac OS and Linux networks
- HTTP/S and FTP support plus DDNS for simplified remote access
- Up to 4,096 NAS user accounts (10,000 with Active
- Directory integration), 1024 shares and 256 connections
- Block level iSCSI data transfers with up to 64 iSCSI targets
- Virtual disks with thin provisioning and up to 32 volume snapshots
- Two auto-sensing Gigabit Ethernet ports with link aggregation and automatic failover/failback
- Five USB ports for printer, flash drive and external disk attachment plus UPS monitoring
- Integrated backup support including backup to the Cloud
- Bundled client software for backup of Windows PCs plus Apple Time Machine support
- VMware ready.

ShareCenter™ Pro 1100 DNS-1100-04

Unified Storage appliance

- 12TB and above in four hot-swap 3.5in drive bays
- Standard JBOD array or 0/1/5/6 RAID protection
- Network file sharing on mixed Windows, Mac OS and Linux networks
- HTTP/S and FTP support plus DDNS for simplified remote access
- Up to 4,096 user accounts can be configured(10,000 with Active Directory integration) with support for 1000 shares and 64 concurrent SMB and 10 FTP connections
- Block level iSCSI data transfers with support for up to 64 iSCSI targets
- Virtual disks with thin provisioning and volume snapshot facilities
- Two auto-sensing Gigabit Ethernet ports with link aggregation
- Two USB ports for printer, flash drive and external disk attachment plus UPS monitoring
- Integrated backup tools, client software for backup of network PCs

ShareCenter™ Pro 1200 DNS-1200-05

Storage appliance with RAID 6 availability

- 115TB and above in five hot-swap 3.5in drive bays
- RAID 5 with hot-spare plus RAID 6 to protect against two drive failures at once
- Network file sharing on mixed Windows, Mac OS and Linux networks
- HTTP/S and FTP support plus DDNS for simplified remote access
- Up to 4,096 NAS user accounts (10,000 with Active Directory integration), 1000 shares and 64 concurrent
- SMB and 10 FTP connections
- Block level iSCSI data transfers with up to 64 iSCSI targets
- Virtual disks with thin provisioning and volume snapshots
- Two auto-sensing Gigabit Ethernet ports with link aggregation
- Two USB ports for printer, flash drive and external disk attachment plus UPS monitoring
- Integrated backup tools plus client software for backup of network PCs
- Power management features including scheduled power on/off, disk hibernation and SMART health scan.

DSN-6000 Series storage arrays

Highly available storage for business-critical applications

- 12 hot-swap SATA/SAS disk bays, expandable to 60 bays using DSN-6020
- JBOD expansion arrays
- Up to 180TB (using 3TB disks)
- Multiple RAID levels including RAID 6/60 for dual-disk failure protection
- Redundant controller card option for active/active failover
- High-performance iSCSI interface with hardware offload engine and either 4 Gigabit (DSN-6110) or two 10GbE ports (DSN-6410) per controller
- Redundant hot-swap power supplies and fans
- Battery-backed cache option for high availability
- Remote replication, cloning and snapshots
- Windows VSS support
- Up to 1024 iSCSI targets and 512 writeable snapshots
- VMware, Hyper-V and Citrix virtualisation ready

Security

Every day businesses face potential security breaches from every direction to their network: virus attacks, file sharing, messaging abuse, spyware and many others. Remote workers can unintentionally provide hostile threats with back door access to your business. With such a diversity of threat, gone are the days when a simple protective firewall was enough. And managing a host of different remedies is inefficient and difficult.

D-Link's NetDefend security products offer a wide choice of reliable and robust network security solutions all packed with advanced features that can be easily integrated into your existing network infrastructure.

Our security solutions are suitable for the smallest of organisations with just one or two employees, right up to those with 50 users on the network. And because our security products seamlessly integrate with other D-Link products, we can offer you even wider security and resiliency solutions, like the 3G failover function implemented in the DSR-1000N.

Unified Services Routers

D-Link's Unified Services Routers are all-in-one gateway devices providing outstanding performance and rich functionalities, including IEE 802.11n, secure wireless access, 3G WAN redundancy, IPv6 and comprehensive VPN features. The DSR Series provide a signature package to enhance the security of your network by identifying intrusion patterns and blocking external threats.

- Static/Dynamc IP WAN Type
- Point-to-Point over Ethernet (PPoE)
- SSL/IPSec/PPTP/L2TP VPN
- VPN Hub and Spoke
- IPSec/PPTP/L2TP VPN Pass-Through
- 3G WAN Redundancy (DSR-1000N only)
- Network Address Translation (NAT)
- Transparent Mode
- WAN Traffic Failover
- Outbound Load Balancing (DSR-500N/1000N only)
- Remote Management (Web, SNMP, SSH, Telnet)
- Internet Group Management Protocol (IGMP) Proxy/Snooping
- Stateful Packet Inspection (SPI)
- L2 to L7 Access Control
- IP/MAC Binding
- Virtual LAN (VLAN)
- Intrusion Prevention System (IPS)
- Wireless Security (WEP, WPA, WPA2, WPS)
- Multiple SSIDs
- SSID-to-VLAN Mapping
- IPv6 Phase 2 Certified

DSR-250N

- 10/100/1000BASE-T x1 (WAN)
- 10/100/1000BASE-T x8 (LAN)
- IEEE 802.11b/g/n Wireless LAN (2.4 GHz)
- USB 2.0 Port x 1
- 2dBi Dipole Antennas x 2 (Detachable)
- External Power Supply
- D-Link Green Technology

DSR-500N

- 10/100/1000BASE-T x2 (WAN)
- 10/100/1000BASE-T x4 (LAN)
- IEEE 802.11b/g/n Wireless LAN (2.4GHz)
- USB 2.0 Port x 1
- 2dBi Dipole Antenna x 3 (Detachable)
- Internal Power Supply
- D-Link Green Technology

DSR-1000N

- 10/100/1000BASE-T x2 (WAN)
- 10/100/1000BASE-T x 4 (LAN)
- IEEE 802.11 a/b/g/n (2.4GHz + 5GHz)
- USB 2.0 Port x 2
- 2dBi Dipole Antenna x 3 (Detachable)
- 3G support
- Internal Power Supply
- D-Link Green Technology

D-LinkAssist
Rapid Response Support

D-Link Assist

Expect instant help if the unexpected happens

If the unexpected happens to your network, you need the very best support and fast. Downtime costs your business money. D-Link Assist maximises your uptime by solving technical problems quickly and effectively. Our highly trained technicians are on standby around the clock, ensuring that award-winning support is only a phone call away.

Comprehensive cover available across all D-Link business products

D-Link Assist can be purchased together with any D-Link business product. So whether you're buying switching, wireless, storage, security or IP Surveillance equipment from D-Link, your peace of mind is guaranteed.

D-Link Assist also offers installation and configuration services to get your new hardware working quickly and correctly.

As standard, when you purchase a D-Link product we will exchange it should something go wrong.[1]

Convenient choice of three service levels to suit your needs

D-Link Assist Gold -
for comprehensive 24-hour support

D-Link Assist Silver -
for prompt same-day assistance

D-Link Assist Bronze - for guaranteed next business day response

Peace of mind from our award-winning support services

Plug into our network of highly trained specialists who will act quickly to diagnose your problem and take instant corrective action.

Choose the enhanced service level that is right for you

With a choice of three affordable service offerings covering all D-Link business products, you can select the package that suits you best.

Get expert help with your installation and configuration

Available on selected products, D-Link Assist can help you get your new hardware up and running with the minimum of fuss.

Installation services include unpacking, quality inspection, interconnection with host server, and installation and integration of software.[2]

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[1] Only for the duration of the hardware warranty for as long as the original buyer owns the product. Original proof of purchase may be required.

[2] D-Link products only.

Benefit from D-Link's global reach and local support

Established in 1986 D-Link has evolved to become a billion dollar global enterprise with 160 offices across 71 countries

With highly trained D-Link Assist technicians on standby across Europe you can be sure of the very best in local support, wherever you are

Dare to compare

D-Link Assist offers remarkable value, service of the highest quality at a very reasonable price. We challenge you to find a more competitive technical support solution

Why D-Link?

D-Link is one of the world's leading network infrastructure companies, providing a complete end-to-end solution including Switching, Storage, IP Surveillance, Wireless and Security ensuring interoperability, from one vendor, with award winning support.

For nearly 25 years, D-Link has designed, developed and manufactured award winning products. D-Link prides itself on consistently delivering innovative, high performing and intuitive products for businesses.
With D-Link technology you can increase network performance and cut operational costs.

D-Link delivers its extensive range of networking products to organisations and consumers through its global network of channel partners and service providers. D-Link understands the significance of accessing, managing, securing and sharing data and digital content, and has pioneered many IP technologies to deliver a fully integrated Digital Home and business network experience.

D-LinkAssist
GOLD

for comprehensive 24-hour support

D-Link Assist Gold is perfect for mission-critical environments where maximum uptime is a high priority. It guarantees four hour around-the-clock response and cover applies 24/7 for every day of the year including holidays.

D-LinkAssist
SILVER

for prompt same-day assistance

D-Link Assist Silver is designed for 'high availability' businesses that require rapid response within regular working hours. It provides a four hour response service Monday to Friday from 8am to 5pm, excluding holidays.

D-LinkAssist
BRONZE

for guaranteed response on the next business day

D-Link Assist Bronze is a highly cost-effective support solution for less critical environments. Response is guaranteed within eight business hours, Monday to Friday from 8am to 5pm, excluding holidays.

Longer warranty for longer life. For extra reassurance, D-Link Assist gives you the option of extending warranties on any D-Link business products that you purchase by three years.

D-Link assist is currently available in the following countries: Austria, Belgium, Czech Republic, Denmark, Finland*, France, Germany, Hungary, Republic of Ireland, Italy*, Luxembourg, Monaco, The Netherlands, Norway*, Poland, Portugal*, San Marino*, Spain*, Sweden*, Switzerland*, United Kingdom and Vatican.

* Partial coverage available.

Feb 2013

For further information: www.dlink.com

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Building Networks for People